



Automotive Technology Basic Tool List

The following is the list of basic tools required for enrollment in Automotive Technology program. It is almost universally understood that an employed automotive technician furnishes his/her own hand tools. Since the objective of our program is to train students for employment as technicians, these basic tools will allow the student to start his/her personal tool kit, adding to it as he/she wishes. We highly recommend that quality tools be purchased. Many students will have some of these tools already. If so, it would not be necessary to purchase new ones.

PTCC Automotive Uniform Shirt

- Details regarding student uniform shirts will be discussed during the first week of class.

SOCKET SETS (6point sockets)

- 1/4" Drive set with ratchet, extensions, universal Joint metric & standard (Deep and Short)
- 3/8" Drive set with ratchet, extensions and a universal joint
- 3/8" Drive standard short socket set from 5/16" to 7/8"
- 3/8" Drive standard deep socket set from 5/16" to 7/8"
- 3/8" Drive metric short socket set from 8-19 mm.
- 3/8" Drive metric deep socket set from 8-19 mm.
- 1/2" Drive standard socket set (Deep and Short) with ratchet, breaker bar, extensions and universal joint
- 1/2" Drive metric socket set (Deep and Short) spark plug socket 9/16, 5/8" and 13/16"

WRENCHES

- Standard combination wrench set 1/4" to 1"
- Metric combination wrench set 8-24 mm.
- Metric Allen wrenches/sockets 2-8mm 10-12mm
- Standard Allen wrenches/sockets .050-3 /8"
- 1 Set of Metric Line (Flare nut) Wrenches
- 1 Set of Standard Line (Flare nut) Wrenches

SCREW DRIVERS

- Flat blade set
- Phillips set
- Torx set

PLIERS

- Combination pliers
- Needle nose pliers
- Diagonal side cutter
- 10" Vise grip
- 10" Channel lock
- Hose clamp pliers

HAMMERS

- Ball peen hammers 8, 16, 32 oz.
- Dead blow plastic hammer
- Brass hammer

MISC.

- Inspection mirror
- Flashlight
- Magnetic pick up tool
- Pry bar set
- Punch set
- Chisel set
- Hack saw and blade
- Gasket scraper
- Flat file
- Round file
- Non-magnetic feeler gauge set standard/metric
- Test light 12-volt Incandescent bulb type. non led
- Safety glasses
- Ear protection
- Spark plug feeler gauge
- Wire strippers / crimpers
- Air Chuck (tire inflator)
- Tire gauge
- Wire brush
- Variable Blow Gun with rubber tip
- Trim tool set
- Brake tool set
- Oil filter wrenches
- 4 piece test lead set
- Battery terminal cleaner
- **TOOL BOX** Must be able to securely store tools (box or lockable rolling cart)
- Multimeter (Fluke 115 or equivalent)

Optional tools

- Half inch drive torque wrench 50-250 ft lbs
- 1/2" drive impact wrench

Please note: this is a **BASIC** tool set. It should be understood that the student will be adding to this as needed.

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